

HAZARDOUS WASTE SITE DOSSIER - REICH FARM

I. Site Name;

Reich Farm
Pleasant Plains, New Jersey

II. Background to Investigation and Source of Initial Referral:

Site was the subject of a report by TRW under contract to EPA.

III. Site Description:

In December 1971, Union Carbide Corporation (UCC) was notified by Mr. and Mrs. Samuel Reich, residents of the Pleasant Plains section of Dover Township, that thousands of waste drums with UCC labels had been discovered on a section of their farm which was rented to Mr. Nicholas Fernicola.

Mr. Fernicola, an independent waste hauler, was contracted by UCC to remove drums containing chemical wastes from its manufacturing facility in Bound Brook, New Jersey, and to transport them to the Dover Township Municipal landfill for ultimate disposal. On January 31, 1972 the court ordered UCC to remove the drums from the premises. By March 30, 1972 the drums were removed from the site by UCC. In June of 1974, 51 additional drums were uncovered.

Early in 1974, about 2 years after the discovery of chemical waste storage/disposal at the Reich farms some of the residents in the area discovered an unusual taste and odor in their well water. Subsequent chemical analyses of water samples from these and other wells in the area indicated the presence of petrochemical contaminants.

On the basis of analytical results and the documented cases of waste chemical storage and burial on the nearby Reich farm, the NJDEP concluded that the groundwater in the Cohansey aquifer in the vicinity of the disposal site was contaminated with hazardous organic chemicals. To protect the health of the area residents, the local Board of Health passed an ordinance forbidding the use of Well Water for any purpose. A total of 148 private wells were condemned and ordered to be permanently capped. For a period of about 6 months, while steps were being taken to extend services of Toms River Water Company to the area on a permanent basis, an emergency water supply was provided to the residents by using water tankers stationed at strategic locations in the area. By November 1974, the installation of water mains and service lines was completed and potable water was available to residents in the affected area.

492110



IV. Allegations of "Imminent Hazard" Pollution:

Approximately 1 square mile of groundwater is believed to be contaminated. As indicated above, 148 private wells were ordered capped and new wells had to be drilled to the lower aquifer. The Toms River Water Company, which is about 1/2 mile away, has not reported any contamination of its production wells. There exists the possibility that these wells may become contaminated in the future.

V. Current Involvement:

NJDEP received \$60,000 from the Union Carbide Corporation (UCC) in an out of court settlement. This money, which is currently in escrow, will be used to further study the site and possibly redefine the line of delineation. NJDEP is not considering going into court against UCC again. Total clean-up of this site is probably impossible due to the enormous amount of water involved.

VI. Recommendation:

Monitor progress of State study. (The State has offered this site to EPA for possible enforcement action.)



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STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF THE COMMISSIONER

P. O. BOX 1390
TRENTON, N. J. 08625
609-292-2885

MAY 9 1980
Bill
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file
Reed

Rich Lamon

May 5, 1980

Stephen A. Dvorkin, Chief
General Enforcement Branch
Enforcement Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10007

Dear Steve:

As a follow up to the listing of unsecured chemical dumps to be initially investigated by EPA and DEP, I requested that the Department's several enforcement groups review all outstanding files for consistency with the breakdown tentatively agreed to.

To my surprise, this review has generated but one modification request. The Division of Water Resources has indicated that it has a continuing interest in Reich Farms, Dover Township, Ocean County.

Therefore, I would appreciate your copies of the dump list being amended to reflect the joint interests of the DEP and EPA in this site.

Sincerely,

Keith

Keith A. Onsdorff, Chief
Office of Enforcement

cc: Haig Kasabach
Bob Reed

HAZARDOUS WASTE SITE STATUS

Name & Address

REICH CHICKEN FARM
LAKEWOOD ROAD
DOVER, NEW JERSEY

County

OCEAN

Site Number

NS 000010013

Staff Responsible

RICHARD RAMON

Agency Responsible

 EPA State None

Preliminary Assessment Rating

HIGH

Tentative Disposition

INVESTIGATIVE ACTION NEEDED

Site Inspection Requested

Date of Request

 Yes No

Date of Inspection

Date of Report

Site Inspection Rating

JRB Rating

Sampling Requested

Date of Request

 Yes No

Date of Sampling

Date of Report

Final Strategy Determination -
(based on sampling results)

Date of Determination

Enforcement by EPA

 Yes No

Date of Case Development Plan

Enforcement Team Leader

Technical Staff -

Legal Staff -

S&A Field Staff -

FIT Staff -

Enforcement Case Filed Date

Administrative Order Issued Date

Current Location of File

- ☒ Assessment Staff
☐ Case Development Staff
☐ Enforcement Division
☐ Other

File Holder

RICH RAMON



POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION II SITE NUMBER (to be assigned by HQ) NJ10013

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME Reich Chicken FARM		B. STREET (or other identifier) LAKewood ROAD	
C. CITY Dover Township	D. STATE NJ	E. ZIP CODE	F. COUNTY NAME OCEAN
G. OWNER/OPERATOR (if known) 1. NAME Mr Samuel Reich		2. TELEPHONE NUMBER	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

I. SITE DESCRIPTION

Chicken FARM where 4,500 drums were dumped illegally	
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) Complaints by Mr. Reich	K. DATE IDENTIFIED (mo., day, & yr.) 12/1/71
L. PRINCIPAL STATE CONTACT 1. NAME	2. TELEPHONE NUMBER

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM <input checked="" type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN	
N. RECOMMENDATION <input type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)	

C. PREPARER INFORMATION

1. NAME Richard RAMON	2. TELEPHONE NUMBER (212)-264-1573	3. DATE (mo., day, & yr.) 9-18-80
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III. SITE INFORMATION

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input checked="" type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify):	
B. IS GENERATOR ON SITE? <input checked="" type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify generator's four-digit SIC Code):	
C. AREA OF SITE (in acres)	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg.-min.-sec.) 2. LONGITUDE (deg.-min.-sec.)
E. ARE THERE BUILDINGS ON THE SITE? <input checked="" type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify):	

Continued From Front

CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION	X	3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

F. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1 UNKNOWN ☒ 2 LIQUID ☐ 3. SOLID ☐ 4 SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☐ 1 UNKNOWN ☐ 2. CORROSIVE ☒ 3. IGNITABLE ☐ 4 RADIOACTIVE ☐ 5 HIGHLY VOLATILE
☒ 6. TOXIC ☐ 7 REACTIVE ☐ 8 INERT ☒ 9 FLAMMABLE

☐ 10. OTHER (specify):

C. WASTE CATEGORIES

Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT 4,500	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE 55 gal. DRUMS	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGENATED SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		

Continue On Page 2

VI WASTE RELATED INFORMATION (continued)

LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY		X	2-1-74	148 private wells condemned
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER		X		
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL		X		
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☐ 1. NPDES PERMIT ☐ 2. SPCC PLAN ☐ 3. STATE PERMIT (specify): _____
☐ 4. AIR PERMITS ☐ 5. LOCAL PERMIT ☐ 6. RCRA TRANSPORTER
☐ 7. RCRA STORER ☐ 8. RCRA TREATER ☐ 9. RCRA DISPOSER
☐ 10. OTHER (specify): _____

B. IN COMPLIANCE?

- ☐ 1. YES ☐ 2. NO ☐ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number): _____

VIII. PAST REGULATORY ACTIONS

- ☐ A. NONE ☐ B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

X. REMEDIAL ACTIVITY (past or on-going)

- ☐ A. NONE ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Removal of drums	2-14-72	-	

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

Petrochemical Contamination of the Cohansey Aquifer in New Jersey

Dumping of approximately 6,000 drums of liquid chemical wastes in the abandoned Reich chicken farm, Dover Township, New Jersey, has resulted in the chemical contamination of the Cohansey Aquifer, which is a heavily used aquifer in the New Jersey Coastal Plain.

The wastes, which included a wide variety of petrochemicals with toxic, flammable, explosive, and oxidizing properties, originated at the Bound Brook, New Jersey plant of the Union Carbide Corporation. Although Union Carbide had contracted with a private hauler to dispose of the wastes at a landfill, the drums were instead dumped on the abandoned farm site.

The drums were dumped between August and December of 1971. In early 1974, evidence of contamination of local wells appeared. The incident has resulted in the permanent loss of 148 private supply wells, and contamination of an unknown portion of the Cohansey Aquifer. While no public health problems appeared to result from this incident, the possibility of chronic health effects could not be evaluated.

Direct costs of this incident total over \$400,000. These costs include the cost of removal of drums, sampling and analysis, and drilling of new wells.

Indirect costs, such as the cost to residents in inconvenience and devaluation of property, the time spent by Federal, State and local authorities in dealing with the problem, and possible future spread of the contaminated zone, have not been calculated.

Drums and contaminated soil were excavated and hauled away for disposal.



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STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF THE COMMISSIONER
P. O. BOX 1390
TRENTON, N. J. 08625
609-292-2885

Bill
40

Paul

file

Rich Lamon

May 5, 1980

Stephen A. Dvorkin, Chief
General Enforcement Branch
Enforcement Division
U.S. Environmental Protection Agency
Region II
25 Federal Plaza
New York, N.Y. 10007

Dear Steve:

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Therefore, I would appreciate your copies of the dump list being amended to reflect the joint interests of the DEP and EPA in this site.

Sincerely,

Keith A. Onsdorff

Keith A. Onsdorff, Chief
Office of Enforcement

cc: Haig Kasabach
Bob Reed



POTENTIAL HAZARDOUS WASTE SITE
TENTATIVE DISPOSITION

REGION

SITE NUMBER

II

NJ000010013

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME

Reich Chicken FARM

B. STREET

LAKEWOOD ROAD

C. CITY

Dover Township

D. STATE

New Jersey

E. ZIP CODE

II. TENTATIVE DISPOSITION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY			
		EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED - NO HAZARD					
B. INVESTIGATIVE ACTION(S) NEEDED (If yes, complete Section III.)	X	X	X		
C. REMEDIAL ACTION NEEDED (If yes, complete Section IV.)					
D. ENFORCEMENT ACTION NEEDED (If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)					

E. RATIONALE FOR DISPOSITION

F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION
(mo., day, & yr.)

G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE
ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED
(mo., day, & yr.)

H. PREPARER INFORMATION

1. NAME

RICHARD RAMON

2. TELEPHONE NUMBER

(212)-264-1573

3. DATE (mo., day, & yr.)

8-5-80

III. INVESTIGATIVE ACTIVITY NEEDED

A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.

B. PROPOSED INVESTIGATIVE ACTIVITY (Detailed Information)

1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.	2. SCHEDULED DATE OF ACTION (mo., day, & yr.)	3. TO BE PERFORMED BY (EPA, Con- tractor, State, etc.)	4. ESTIMATED MANHOURS	5. REMARKS
a. TYPE OF SITE INSPECTION				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
b. TYPE OF MONITORING				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
c. TYPE OF SAMPLING				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____

Continue On Reverse